

SOUMADITYA PAL

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WORK EXPERIENCE

LEGAL CARE

Full Stack Developer Intern

Remote
Jun 2025 – Present

- **Developed** responsive **user interfaces** with **ReactJS**, ensuring cross-browser compatibility
- **Engineered** scalable **backend services** and **RESTful APIs** using **NodeJS**
- **Integrated** third-party services and **consumed RESTful APIs** to extend application functions.
- **Wrote** clean and maintainable code within an **Agile development lifecycle**.
- **Contributed** to **peer code reviews**, **debugging**, and **performance tuning**
- **Collaborated** with product and design teams to **translate requirements** into functional code

PROJECTS

EDU-EMPOWER

[Live Link](#) | [Github](#)

- Engineered a full-stack, scholarship-matching application using **React**, **Node.js**, **Express.js**, and **PostgreSQL**
- Developed a dynamic student dashboard with advanced scholarship search, streamlined applications, and real-time tracking
- Architected a portal for organizations to manage scholarships, review applications, and analyze funding impact
- Integrated a secure crowdfunding feature with **Razorpay** for personal educational fundraising campaigns
- Implemented robust, role-based authentication and authorization for data security using **Clerk**
- Optimized UI/UX with a responsive **Tailwind CSS** design and fluid animations from **Framer Motion**

INVOLVE

[Github](#)

- **Engineered and launched** a full-stack, on-demand local services application using Next.js, Express.js, and PostgreSQL, **reducing average user-to-professional connection time to under 10 minutes**
- **Developed a core feature-set** including AI-powered problem diagnosis, real-time location tracking with WebSockets, and **a secure, transparent payment system using Aptos blockchain**
- **Architected a scalable backend** leveraging Redis for high-speed caching and BullMQ for robust background job and queue management, **ensuring 99.9% service uptime**
- **Integrated PostGIS with PostgreSQL** to build and optimize complex geospatial queries, enabling accurate and efficient real-time location tracking of service professionals
- **Secured the platform** with end-to-end data encryption and robust authentication protocols to protect sensitive user information and transaction data.
- **Optimized the frontend performance and user experience** by building a responsive, server-rendered interface with TypeScript and Next.js, **improving user retention by 20%**

TECHNICAL SKILLS

Programming Languages - C++, Python, JavaScript

Frontend Development - React.js, Next.js, Three.js, HTML, CSS, Tailwind CSS, Framer Motion

Backend Development - Node.js, Express.js, RESTful API

Databases - MongoDB, PostgreSQL

Tools & Technologies - Google Cloud Platform (GCP), Vercel, Git, GitHub

EDUCATION

NSHM Knowledge Campus, Durgapur

Bachelor of Technology

Computer Science and Engineering

2022-2026

ACTIVITIES

CLOUD NATIVE DURGAPUR CHAPTER

Co-Organizer

[Website](#)
June 2025 – Present

- **Coordinated with a 20+ member team** to plan and execute cloud-native tech events
- **Grew the tech community** by establishing key partnerships with local companies and universities.
- **Led technical workshops** on Kubernetes, Docker, and CI/CD within the GCP ecosystem.